

INTERNATIONAL SEARCH REPORT

International application No.

PCT/NO 2004/000194

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B22D 11/06, B22D 11/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B22D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3552478 A (WILHELM FRIEDRICH LAUENER LANGENHARD), 5 January 1971 (05.01.1971), column 2, line 22 - line 26; column 2, line 63 - line 69, figure 1, abstract	1-3,5-7,9-10
Y	--	4,8
X	US 4157728 A (RYOTA MITAMURA ET AL), 12 June 1979 (12.06.1979), column 14, line 6 - line 12; column 14, line 28 - line 33, abstract	1,5
Y	--	4,8

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

12 October 2004

Date of mailing of the international search report

26-10-2004

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PCT/NO 2004/000194

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0717119 A2 (NIPPON MINING & METALS COMPANY, LIMITED), 19 June 1996 (19.06.1996), figure 2, abstract --	1-10
A	US 3718175 A (RUDOLF RINESCH), 27 February 1973 (27.02.1973), abstract --	1-10
A	US 5915455 A (BJORN KITTILSEN ET AL), 29 June 1999 (29.06.1999), column 3, line 1 - line 6, abstract -- -----	1-10

INTERNATIONAL SEARCH REPORT

Information on patent family members

03/09/2004

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US	3552478	A	05/01/1971	AT	290748	B	11/06/1971
				BE	718796	A	31/12/1968
				CH	461716	A	31/08/1968
				DE	1758934	A	01/04/1971
				ES	357581	A	16/03/1970
				FR	1575239	A	18/07/1969
				GB	1189033	A	22/04/1970
				NL	6812571	A	11/03/1969
				NO	129133	B	04/03/1974
				SE	343494	B	13/03/1972
				YU	32090	B	30/04/1974
				YU	206368	A	31/10/1973

US	4157728	A	12/06/1979	CA	1082875	A	05/08/1980
				DE	2734388	A,C	02/02/1978
				FR	2359662	A,B	24/02/1978
				JP	1007387	C	31/07/1980
				JP	53007134	U	21/01/1978
				JP	53015222	A	10/02/1978
				JP	54042847	B	17/12/1979
				NZ	185571	A	16/03/1981
				JP	1028125	C	25/12/1980
				JP	53114730	A	06/10/1978
				JP	53123855	U	02/10/1978
				JP	55018585	B	20/05/1980
				JP	1028132	C	25/12/1980
				JP	54001871	U	08/01/1979
				JP	54013421	A	31/01/1979
				JP	55018586	B	20/05/1980

EP	0717119	A2	19/06/1996	DE	69520779	D,T	09/08/2001
				JP	3003914	B	31/01/2000
				JP	8120357	A	14/05/1996

US	3718175	A	27/02/1973	AT	302550	B	25/10/1972
				BE	748898	A	16/09/1970
				CH	525051	A	15/07/1972
				DE	2017469	A	22/10/1970
				FR	2041172	A	29/01/1971
				GB	1310551	A	21/03/1973
				SE	356914	B	12/06/1973
				AT	322754	B	10/06/1975

US	5915455	A	29/06/1999	AU	694676	B	23/07/1998
				AU	6217596	A	13/03/1997
				CA	2184668	A	09/03/1997
				CN	1066652	B	06/06/2001
				CN	1157763	A	27/08/1997
				FR	2738509	A,B	14/03/1997
				IL	119098	A	13/08/2000
				NO	302804	B	27/04/1998
				NO	953545	A	10/03/1997
				RU	2141883	C	27/11/1999